

**REMARKS**

The Examiner's attention to the request for continued examination is noted with appreciation. Claim 1 has been amended to further clarify that the heat exchanger must be combined with the electrical excitation generator. Neither Partlo et al. nor any other art teaches a combination electrical excitation generator and heat exchanger. Therefore, the rejection of claim 1 under 25 U.S.C. 102(e) as being anticipated by Partlo et al., and the rejection of dependent claims 2-7 under 25 U.S.C. 103(a) as being unpatentable over Partlo et al. in view of Shang et al., are respectfully traversed.

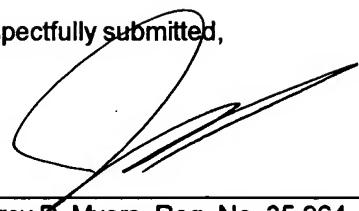
Claims 8 and 9 have been amended to clarify that the application of a high intensity pulsed field to induce ionization and a lower intensity electric field should be made simultaneously. This feature is not disclosed in Partlo et al., nor in any cited art. Therefore, the rejection of claim 8 under 35 U.S.C. 103(a) as being unpatentable over Partlo et al. in view of Shang et al., and the rejection of claim 9 under 35 U.S.C. 103(a) as being unpatentable over Partlo et al., are respectfully traversed.

Claim 1 has been further amended to more clearly describe the invention. No new matter has been added.

If any issues remain, or if the Examiner believes that prosecution of this application might be expedited by discussion of the issues, the Examiner is cordially invited to telephone the undersigned attorney for Applicant at the telephone number listed below.

Respectfully submitted,

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